

**DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**NUCLEIC ACID MOLECULES WITH NOVEL CHEMICAL COMPOSITIONS CAPABLE OF
MODULATING GENE EXPRESSION**

the specification of which is attached hereto unless the following space is checked:

☒ was filed on May 25, 2001 as United States Application Serial Number 09/866,316.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

<u>Number</u>	<u>Country</u>	<u>Day/Month/Year Filed</u>
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N/A

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

	<u>Application Number</u>	<u>Filing Date</u>
1.	60/082,404	April 20, 1998

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

	<u>Application Number</u>	<u>Filing Date</u>	<u>Status: patented, pending, abandoned</u>
1.	09/103,636	June 23, 1998	Pending

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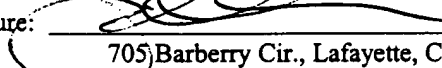
Customer Number: **020306**

Principal attorney or agent: **Anita J. Terpstra**

Telephone number: **312-913-0001**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first joint inventor: **JAMES THOMPSON**

Inventor's signature: 
Residence: **705 Barberrry Cir., Lafayette, CO 80026**
Citizenship: **United States of America**
Post Office Address: **705 Barberrry Cir., Lafayette, CO 80026**

Date: 9/12/01

Full name of second joint inventor: **LEONID BEIGELMAN**

Inventor's signature: _____
Residence: **5530 Colt Dr., Longmont, CO 80503**
Citizenship: **United States of America**
Post Office Address: **5530 Colt Dr., Longmont, CO 80503**

Date: _____

Full name of third joint inventor: **JAMES McSWIGGEN**

Inventor's signature: _____
Residence: **4866 Franklin Dr., Boulder, Colorado**
Citizenship: **United States of America**
Post Office Address: **4866 Franklin Dr., Boulder, Colorado 80301**

Date: _____

Full name of fourth joint inventor: **ALEXANDER KARPEISKY**

Inventor's signature: _____
Residence: **420 Vernier Ave., Lafayette, CO 80026**
Citizenship: **United States of America**
Post Office Address: **420 Vernier Ave., Lafayette, CO 80026**

Date: _____

Full name of fifth joint inventor: **LAURENT BELLON**

Inventor's signature: _____
Residence: **7300 Governors Way, Frederick, MD 21704**
Citizenship: **France**
Post Office Address: **7300 Governors Way, Frederick, MD 21704**

Date: _____

Full name of sixth joint inventor: **MARK REYNOLDS**

Inventor's signature: _____ Date: _____
Residence: 3342 Vermont Place, Pleasanton, CA 94588
Citizenship: United States of America
Post Office Address: 3342 Vermont Place, Pleasanton, CA 94588

Full name of seventh joint inventor: **MICHAEL ZWICK**

Inventor's signature: _____ Date: _____
Residence: 2800 Woods Hollow Road, Madison, WI 53711
Citizenship: United States of America
Post Office Address: 2800 Woods Hollow Road, Madison, WI 53711

Full name of eighth joint inventor: **THALE JARVIS**

Inventor's signature: _____ Date: _____
Residence: 2265 Dartmouth Avenue, Boulder, CO 80305
Citizenship: United States of America
Post Office Address: 2265 Dartmouth Avenue, Boulder, CO 80305

Full name of ninth joint inventor: **TOD WOOLF**

Inventor's signature: _____ Date: _____
Residence: 17 Pheasant Avenue, Sudbury, MA 01776
Citizenship: United States
Post Office Address: 17 Pheasant Avenue, Sudbury, MA 01776

Full name of tenth joint inventor: **PETER HAEBERLI**

Inventor's signature: _____ Date: _____
Residence: 705 7th St., Berthoud, CO 80513
Citizenship: United States of America
Post Office Address: 705 7th St., Berthoud, CO 80513

Full name of eleventh inventor: **JASENKA MATULIC-ADAMIC**

Inventor's signature: _____ Date: _____
Residence: 760 South 42nd Street, Boulder, CO 80303
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Post Office Address: 760 South 42nd Street, Boulder, CO 80303

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Citizenship: United States of America
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Date: _____

Full name of second joint inventor: **LEONID BEIGELMAN**

Inventor's signature: *Leonid Beigelman*
Residence: 5530 Colt Dr., Longmont, CO 80503
Citizenship: United States of America
Post Office Address: 5530 Colt Dr., Longmont, CO 80503

Date: 9/5/01

Full name of third joint inventor: **JAMES McSWIGGEN**

Inventor's signature: *James McSwiggen*
Residence: 4866 Franklin Dr., Boulder, Colorado
Citizenship: United States of America
Post Office Address: 4866 Franklin Dr., Boulder, Colorado 80301

Date: 9/5/01

Full name of fourth joint inventor: **ALEXANDER KARPEISKY**

Inventor's signature: *Alexander Karpeisky*
Residence: 420 Vernier Ave., Lafayette, CO 80026
Citizenship: United States of America
Post Office Address: 420 Vernier Ave., Lafayette, CO 80026

Date: 9/5/01

Full name of fifth joint inventor: **LAURENT BELLON**

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Residence: 7300 Governors Way, Frederick, MD 21704
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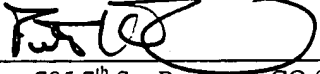
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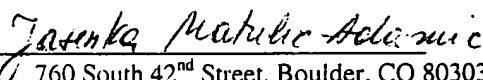
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Citizenship: United States
Post Office Address: 17 Pheasant Avenue, Sudbury, MA 01776

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Inventor's signature:  Date: 9/6/2001
Residence: 705 7th St., Berthoud, CO 80513
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Citizenship: United States of America
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Date: _____

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Inventor's signature: _____
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Citizenship: United States of America
Post Office Address: 5530 Colt Dr., Longmont, CO 80503

Date: _____

Full name of third joint inventor: **JAMES McSWIGGEN**

Inventor's signature: _____
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Citizenship: United States of America
Post Office Address: 4866 Franklin Dr., Boulder, Colorado 80301

Date: _____

Full name of fourth joint inventor: **ALEXANDER KARPEISKY**

Inventor's signature: _____
Residence: 420 Vernier Ave., Lafayette, CO 80026
Citizenship: United States of America
Post Office Address: 420 Vernier Ave., Lafayette, CO 80026

Date: _____

Full name of fifth joint inventor: **LAURENT BELLON**

Inventor's signature: _____
Residence: 7300 Governors Way, Frederick, MD 21704
Citizenship: France
Post Office Address: 7300 Governors Way, Frederick, MD 21704

Date: _____

Full name of sixth joint inventor: **MARK REYNOLDS**

Inventor's signature: *Mark Reynolds*
Residence: 3342 Vermont Place, Pleasanton, CA 94588
Citizenship: United States of America
Post Office Address: 3342 Vermont Place, Pleasanton, CA 94588

Date: 9/19/2001

Full name of seventh joint inventor: **MICHAEL ZWICK**

Inventor's signature: _____
Residence: 2800 Woods Hollow Road, Madison, WI 53711
Citizenship: United States of America
Post Office Address: 2800 Woods Hollow Road, Madison, WI 53711

Date: _____

Full name of eighth joint inventor: **THALE JARVIS**

Inventor's signature: _____
Residence: 2265 Dartmouth Avenue, Boulder, CO 80305
Citizenship: United States of America
Post Office Address: 2265 Dartmouth Avenue, Boulder, CO 80305

Date: _____

Full name of ninth joint inventor: **TOD WOOLF**

Inventor's signature: _____
Residence: 17 Pheasant Avenue, Sudbury, MA 01776
Citizenship: United States
Post Office Address: 17 Pheasant Avenue, Sudbury, MA 01776

Date: _____

Full name of tenth joint inventor: **PETER HAEBERLI**

Inventor's signature: _____
Residence: 705 7th St., Berthoud, CO 80513
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Date: _____

Full name of second joint inventor: **LEONID BEIGELMAN**

Inventor's signature: _____
Residence: 5530 Colt Dr., Longmont, CO 80503
Citizenship: United States of America
Post Office Address: 5530 Colt Dr., Longmont, CO 80503

Date: _____

Full name of third joint inventor: **JAMES McSWIGGEN**

Inventor's signature: _____
Residence: 4866 Franklin Dr., Boulder, Colorado
Citizenship: United States of America
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Date: _____

Full name of fourth joint inventor: **ALEXANDER KARPEISKY**

Inventor's signature: _____
Residence: 420 Vernier Ave., Lafayette, CO 80026
Citizenship: United States of America
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Date: _____

Full name of fifth joint inventor: **LAURENT BELLON**

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Residence: 7300 Governors Way, Frederick, MD 21704
Citizenship: France
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Full name of sixth joint inventor: **MARK REYNOLDS**

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Full name of eighth joint inventor: **THALE JARVIS**

Inventor's signature: Thale C. Jarvis Date: 9/10/01
Residence: 2265 Dartmouth Avenue, Boulder, CO 80305
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Post Office Address: 3342 Vermont Place, Pleasanton, CA 94588

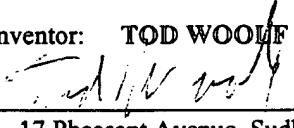
Full name of seventh joint inventor: **MICHAEL ZWICK**

Inventor's signature: _____ Date: _____
Residence: 2800 Woods Hollow Road, Madison, WI 53711
Citizenship: United States of America
Post Office Address: 2800 Woods Hollow Road, Madison, WI 53711

Full name of eighth joint inventor: **THALE JARVIS**

Inventor's signature: _____ Date: _____
Residence: 2265 Dartmouth Avenue, Boulder, CO 80305
Citizenship: United States of America
Post Office Address: 2265 Dartmouth Avenue, Boulder, CO 80305

Full name of ninth joint inventor: **TOD WOOLF**

Inventor's signature:  Date: 10/12/01
Residence: 17 Pheasant Avenue, Sudbury, MA 01776
Citizenship: United States
Post Office Address: 17 Pheasant Avenue, Sudbury, MA 01776

Full name of tenth joint inventor: **PETER HAEBERLI**

Inventor's signature: _____ Date: _____
Residence: 705 7th St., Berthoud, CO 80513
Citizenship: United States of America
Post Office Address: 705 7th St., Berthoud, CO 80513

Full name of eleventh inventor: **JASENKA MATULIC-ADAMIC**

Inventor's signature: _____ Date: _____
Residence: 760 South 42nd Street, Boulder, CO 80303
Citizenship: Yugoslavia
Post Office Address: 760 South 42nd Street, Boulder, CO 80303

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

NUCLEIC ACID MOLECULES WITH NOVEL CHEMICAL COMPOSITIONS CAPABLE OF MODULATING GENE EXPRESSION

the specification of which is attached hereto unless the following space is checked:

☒ was filed on May 25, 2001 as United States Application Serial Number 09/866,316.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

<u>Number</u>	<u>Country</u>	<u>Day/Month/Year Filed</u>
---------------	----------------	-----------------------------

N/A

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

	<u>Application Number</u>	<u>Filing Date</u>
1.	60/082,404	April 20, 1998

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

	<u>Application Number</u>	<u>Filing Date</u>	<u>Status: patented, pending, abandoned</u>
1.	09/103,636	June 23, 1998	Pending

I hereby appoint the practitioners associated with the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and I direct that all correspondence be addressed to that Customer Number.

Customer Number: 020306
Principal attorney or agent: Anita J. Terpstra
Telephone number: 312-913-0001

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first joint inventor: **JAMES THOMPSON**

Inventor's signature: _____
Residence: 705 Barberry Cir., Lafayette, CO 80026
Citizenship: United States of America
Post Office Address: 705 Barberry Cir., Lafayette, CO 80026

Date: _____

Full name of second joint inventor: **LEONID BEIGELMAN**

Inventor's signature: _____
Residence: 5530 Colt Dr., Longmont, CO 80503
Citizenship: United States of America
Post Office Address: 5530 Colt Dr., Longmont, CO 80503

Date: _____

Full name of third joint inventor: **JAMES McSWIGGEN**

Inventor's signature: _____
Residence: 4866 Franklin Dr., Boulder, Colorado
Citizenship: United States of America
Post Office Address: 4866 Franklin Dr., Boulder, Colorado 80301

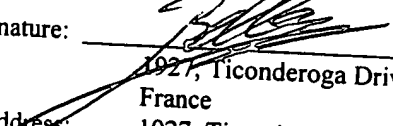
Date: _____

Full name of fourth joint inventor: **ALEXANDER KARPEISKY**

Inventor's signature: _____
Residence: 420 Vernier Ave., Lafayette, CO 80026
Citizenship: United States of America
Post Office Address: 420 Vernier Ave., Lafayette, CO 80026

Date: _____

Full name of fifth joint inventor: **LAURENT BELLON**

Inventor's signature: 
Residence: 1927, Ticonderoga Drive, San Mateo, CA 94402
Citizenship: France
Post Office Address: 1927, Ticonderoga Drive, San Mateo, CA 94402

Date: 01/13/03

Full name of sixth joint inventor: **MARK REYNOLDS**

Inventor's signature: _____ Date: _____
Residence: 3342 Vermont Place, Pleasanton, CA 94588
Citizenship: United States of America
Post Office Address: 3342 Vermont Place, Pleasanton, CA 94588

Full name of seventh joint inventor: **MICHAEL ZWICK**

Inventor's signature: _____ Date: _____
Residence: W7060 Thoman Road, Monticello, WI 53570
Citizenship: United States of America
Post Office Address: W7060 Thoman Road, Monticello, WI 53570

Full name of eighth joint inventor: **THALE JARVIS**

Inventor's signature: _____ Date: _____
Residence: 2265 Dartmouth Avenue, Boulder, CO 80305
Citizenship: United States of America
Post Office Address: 2265 Dartmouth Avenue, Boulder, CO 80305

Full name of ninth joint inventor: **TOD WOOLF**

Inventor's signature: _____ Date: _____
Residence: 17 Pheasant Avenue, Sudbury, MA 01776
Citizenship: United States
Post Office Address: 17 Pheasant Avenue, Sudbury, MA 01776

Full name of tenth joint inventor: **PETER HAEBERLI**

Inventor's signature: _____ Date: _____
Residence: 705 7th St., Berthoud, CO 80513
Citizenship: United States of America
Post Office Address: 705 7th St., Berthoud, CO 80513

Full name of eleventh inventor: **JASENKA MATULIC-ADAMIC**

Inventor's signature: _____ Date: _____
Residence: 760 South 42nd Street, Boulder, CO 80303
Citizenship: Yugoslavia
Post Office Address: 760 South 42nd Street, Boulder, CO 80303

**DECLARATION AND POWER OF ATTORNEY
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Prior Foreign Application(s):

<u>Number</u>	<u>Country</u>	<u>Day/Month/Year Filed</u>
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N/A

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Customer Number: **020306**

Principal attorney or agent: Anita J. Terpstra

Telephone number: 312-913-0001

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first joint inventor: **JAMES THOMPSON**

Inventor's signature: _____
Residence: 705 Barberry Cir., Lafayette, CO 80026
Citizenship: United States of America
Post Office Address: 705 Barberry Cir., Lafayette, CO 80026

Date: _____

Full name of second joint inventor: **LEONID BEIGELMAN**

Inventor's signature: _____
Residence: 5530 Colt Dr., Longmont, CO 80503
Citizenship: United States of America
Post Office Address: 5530 Colt Dr., Longmont, CO 80503

Date: _____

Full name of third joint inventor: **JAMES McSWIGGEN**

Inventor's signature: _____
Residence: 4866 Franklin Dr., Boulder, Colorado
Citizenship: United States of America
Post Office Address: 4866 Franklin Dr., Boulder, Colorado 80301

Date: _____

Full name of fourth joint inventor: **ALEXANDER KARPEISKY**

Inventor's signature: _____
Residence: 420 Vernier Ave., Lafayette, CO 80026
Citizenship: United States of America
Post Office Address: 420 Vernier Ave., Lafayette, CO 80026

Date: _____

Full name of fifth joint inventor: **LAURENT BELLON**

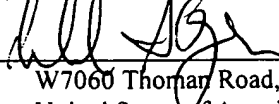
Inventor's signature: _____
Residence: _____
Citizenship: France
Post Office Address: _____

Date: _____

Full name of sixth joint inventor: **MARK REYNOLDS**

Inventor's signature: _____ Date: _____
Residence: 3342 Vermont Place, Pleasanton, CA 94588
Citizenship: United States of America
Post Office Address: 3342 Vermont Place, Pleasanton, CA 94588

Full name of seventh joint inventor: **MICHAEL ZWICK**

Inventor's signature:  Date: 1/13/03
Residence: W7060 Thoman Road, Monticello, WI 53570
Citizenship: United States of America
Post Office Address: W7060 Thoman Road, Monticello, WI 53570

Full name of eighth joint inventor: **THALE JARVIS**

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Residence: 2265 Dartmouth Avenue, Boulder, CO 80305
Citizenship: United States of America
Post Office Address: 2265 Dartmouth Avenue, Boulder, CO 80305

Full name of ninth joint inventor: **TOD WOOLF**

Inventor's signature: _____ Date: _____
Residence: 17 Pheasant Avenue, Sudbury, MA 01776
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Post Office Address: 17 Pheasant Avenue, Sudbury, MA 01776

Full name of tenth joint inventor: **PETER HAEBERLI**

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